



CLEAN VERSION OF AMENDMENTS

In the Specification:

*Replace the paragraph starting on page 1, line 2, with:*

This is a continuation of U.S. Patent Application No. 09/333,613, filed June 15, 1999, which is a continuation of Application No. 09/185,301, filed November 3, 1998, which is a continuation of Application No. 08/854,375, filed May 12, 1997, which is a continuation of Application No. 08/543,606, filed October 16, 1995, which is a continuation-in-part of U.S. patent application No. 08/257,070, filed June 9, 1994, which is a divisional application of U.S. Application No. 07/984,324, filed December 2, 1992.

In the Claims:

All pending claims are reproduced below.

Please cancel claims 1-18 without prejudice.

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19. (amended) A computer mediated control system for use in a force feedback system, said force feedback system including at least one actuator and at least one position sensor, said control system comprising:

a memory storing at least one force feedback effect, said at least one force feedback effect providing forces to be output to a user of said force feedback system; and

a computer mediated controller coupled to said at least one actuator and to said at least one position sensor, wherein said computer mediated controller

receives input information through a communication port of said computer mediated controller and decodes commands from said input information,

reads force values from said communication port,

outputs output data on said communication port, said output data including position data from said at least one position sensor,

determines at least one installed force feedback effect to contribute to output of said force feedback system,